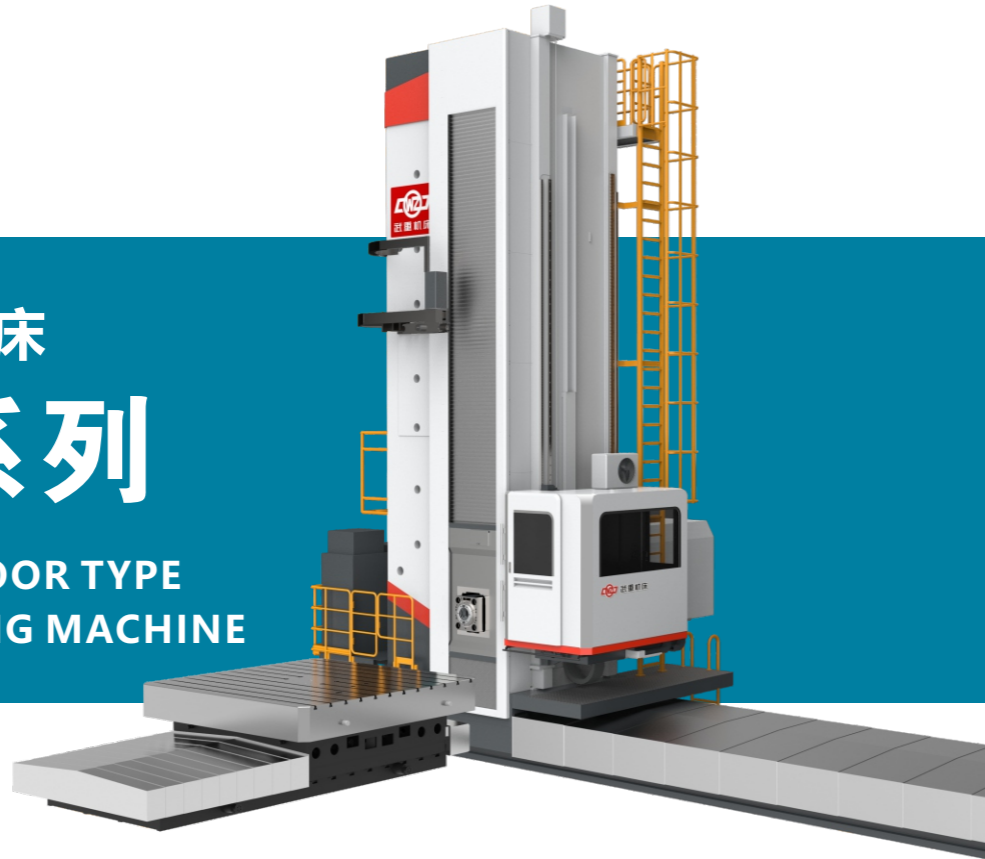


数控落地式铣镗床

TK69系列

TK69 SERIES CNC FLOOR TYPE MILLING AND BORING MACHINE



产品特点

- 基础大件均采用优质铸铁，刚性较好，具有良好的吸振抗振性能。
- 重载高速高精主轴箱，采用进口超精密角接触球轴承及油气润滑单元，有效控制主轴温升。
- X/Y/Z轴采用一腔一泵的恒流闭式静压导轨。
- 具有主轴箱平衡补偿、附件补偿、镗轴挠度补偿等多种补偿功能。
- X轴采用双电机双齿轮齿条电气消除传动，Y、Z、W轴采用预载的滚珠丝杆传动。
- 具有自动排屑和刀具外冷装置，可提供自动换刀装置、自动更换附件、主轴刀具内冷、刀具自动在线检测等功能配置选项。

PRODUCT FEATURES

- Fundamental parts adopt resin sand mold high strength quality cast iron, stable and reliable.
- Heavy-duty, high-speed and high-precision headstock with imported ultra-precision angular contact ball bearings and oil-air lubrication unit, effectively controlling the spindle temperature rise.
- X/Y/Z axis adopt pump per pocket constant flow closed type hydrostatic guide way.
- Multiple compensations such as headstock balance compensation, attachment compensation, boring shaft bending compensation, etc.
- X axis adopts double motor double rack and pinion electrical gap elimination transmission; Y/Z/W axis adopt preloaded ball screw transmission.
- Auto chip conveyor and tool out cooling, and optional functions such as auto tool changing, auto attachment changing, spindle through tool inner cooling, and tool auto online inspection are available.

适用范围

该系列产品应用有限元法优化设计而成，具有镗孔、钻孔、攻丝、铣槽、铣平面等加工功能；配上高精度数控回转工作台、直角铣头等附件，可以实现五面加工；是冶金、能源、电力等行业用于汽轮机、发电机和重型机械等大型零件加工的理想设备。

APPLICATION

TK69 Series is designed with finite-element optimization method, with functions such as boring, drilling, tapping, slot milling, face milling, etc; With function attachments such as high precision CNC rotary table and right angle milling head adopted, it can carry out 5-face machining. It is the idea processing equipment for steam turbines, generators and heavy machinery for industries such as metallurgy, energy, power, etc.

主要规格和技术参数 SPECIFICATION

项目 Item	单位 Unit	产品型号 Item							
		TK6913	TKB6916	TK6916C	TK6920C	TKG6920C	TK6926C	TK6932	
工作范围 Working Range	X轴 (立柱) 行程 X-axis (column) travel	mm	根据用户需求 As per demand						
	Y轴 (主轴箱) 行程 Y-axis (headstock) travel	mm	3000	3000	3000-5000	3000-7000	5000-9000	6000-12000	8000-12000
	Z轴 (滑枕) 行程 Z-axis (ram) travel	mm	1000	1000	1200	1200	1700	1850	2500
	W轴 (镗轴) 行程 W-axis (Boring spindle) travel	mm	800	1000	1200	1200	1300	1800	1700
	Z+W轴总行程 Total travel (Z+W)	mm	1800	2000	2400	2400	3000	3550	4300
主轴箱 Headstock	镗轴直径 Boring spindle diameter	mm	Φ130	Φ160	Φ160	Φ200	Φ200	Φ260	Φ260
	主轴最大转速 Max.spindlespeed	rpm	3000	2500	2000	2000	2000	1300	1000
	主轴最大功率 Max.mainspindle power	kw	41	58	81	92	110	135	129
	主轴最大扭矩 Max.spindle torque	Nm	3500	4500	8000	10000	12000	24000	25000

注：1.本公司保留修改技术参数的权利。2.样本如与技术协议有出入，以技术协议为准。

Note: 1.All the technical parameter subject to change without prior notice.

2.Technology Agreements shall prevail if there is any discrepancy between catalog and Technology Agreement.